

REMARKS

Claims 1-28 are pending in this application. By this Amendment, claims 1, 8 and 9 are amended to more clearly distinguish over the applied references, and claims 11 and 20 are amended for clarification purposes only. Reconsideration in view of the above amendments and following remarks is respectfully requested.

The Office Action objects to the drawings under 37 C.F.R. §1.83(a). Claims 11 and 20 are amended for clarification purposes only. Thus, it is respectfully submitted that no corrections to the drawings are required.

The Office Action rejects claim 11 under 35 U.S.C. §112, second paragraph. Claim 11 is amended to obviate the rejection. Accordingly, it is respectfully requested that the rejection be withdrawn.

The Office Action rejects claims 1-11, 13-14, 16, 19, 20, 22, 23 and 25 under 35 U.S.C. §102(e) as being anticipated by Wang I (U.S. Patent No. 5,903,712); claims 12, 15, 21, 24 and 27 are rejected under 35 U.S.C. §103(a) over Wang I, and further in view of Tsuji (U.S. Patent No. 5,502,799); claims 17, 18 and 26 are rejected under 35 U.S.C. §103(a) over Wang I, and further in view of Estrada (U.S. Patent No. 6,646,763); and claim 28 is rejected under 35 U.S.C. §103(a) over Wang I, and further in view of Wang II (U.S. Patent No. 6,647,140). The rejections are respectfully traversed.

In particular, none of the applied references, either alone or in combination, disclose or suggest a device and illumination independent color reproduction system, including at least a color controller including a memory and a controller, the memory including an image parameter look-up table, wherein the controller updates the image parameter look-up table based on a measured reflectance spectra, as recited in independent claim 1.

Furthermore, none of the applied references disclose or suggest an apparatus for improving color reproduction, including at least a first controller that converts a reference

parameter vector to a processed reference parameter vector based on stored image parameters, wherein a measured reflectance spectra is used to update the stored image parameters, as recited in independent claim 8, and similarly recited in independent claim 9.

Specifically, Wang I discloses an ink separation device for a printing press ink feed control having a device for printing a color chart having randomly distributed color patches.

Tsuji discloses a rendering apparatus that includes a radiant-energy calculating device for determining a spectral radiance for each infinitesimal area of an object by using a spectral radiance of a light source irradiating the object.

Estrada discloses an apparatus for mapping a non-spectral representation of a target color, such as an input color tuple, to a set of concentration values for a set of device-specific colorants.

Wang II discloses a spectral inverter that receive optical values from a scanning device and applies a spectrum inversion method to the optical values.

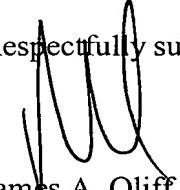
However, none of the applied references, either alone or in combination, disclose or suggest a device and illumination independent color reproduction system, including at least a color controller including a memory and a controller, the memory including an image parameter look-up table, wherein the controller updates the image parameter look-up table based on a measured reflectance spectra. Furthermore, none of the applied references disclose or suggest an apparatus for improving color reproduction, including at least a first controller that converts a reference parameter vector to a processed reference parameter vector based on stored image parameters, wherein a measured reflectance spectra is used to update the stored image parameters.

On the contrary, nowhere are these features disclosed or suggested in the applied references. Thus, Wang I fails to disclose each and every feature as the claimed invention. Moreover, because the applied references fail to disclose these features, any combination of

the references would not have resulted in a device that uses real-time sensing and feedback to improve spectral color matching. Accordingly, because it would not have been obvious to combine the applied references to arrive at the claimed invention, it is respectfully requested that the rejections under 35 U.S.C. §102(e) and 35 U.S.C. §103(a) be withdrawn.

In view of the foregoing, this application is in condition for allowance. Favorable reconsideration and prompt allowance of the claim are earnestly solicited.

Should the Examiner believe that anything further is desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the Applicants' attorney at the telephone number set forth below.

Respectfully submitted,

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